

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/10/2020 04/10/2020	David Julian

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_3				
Comment Code					
Inspector Comment					
District does have some supplies including sand, sand bags, and stakes.					

No Photos

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_4				
Comment Code					
Inspector Comment					
RD 349 has O&M Manual on hand.					

No Photos

LM Start		Rating **	M	Issue No.	14
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_14				
Comment Code					
Inspector Comment					
LMA has not taken flood fight training in the past couple of years.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/10/2020 04/10/2020	David Julian

LM Start	0.01	Rating **	A/W	Issue No.	9
LM End	0.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.326996 °	38.325798 °
				-121.576557 °	-121.577027 °
DWR ID	DWR_RD0349_01_f_2018_9				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 33.9 R					
Status: Critical					
2017 Field Notes: New erosion pocket. Tree roots propped up with junk. Tree likely to fall and house to come tumbling after. Upgraded to critical.					
Site History: 2015 - Erosion observed at the toe.					

No Photos

LM Start	0.01	Rating **	U	Issue No.	11
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.327056 °	38.321919 °
				-121.577020 °	-121.578396 °
DWR ID	DWR_RD0349_01_f_2019_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD0349\_204\_11\_20200410\_00033.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2020).

LM Start	0.01	Rating **	U	Issue No.	23
LM End	0.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.327038 °	38.320101 °
				-121.576922 °	-121.578619 °
DWR ID	DWR_RD0349_01_s_2020_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD0349\_204\_23\_20200410\_00034.jpg



View looking upstream at annual vegetation on the waterside slope (Spring 2020).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/10/2020 04/10/2020	David Julian

LM Start	<b>0.38</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>0.96</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.321860 °	38.313537 °	
			-121.578430 °	-121.578881 °	
DWR ID	DWR_RD0349_01_f_2019_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.47</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>1.44</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.320520 °	38.307013 °	
			-121.578605 °	-121.575518 °	
DWR ID	DWR_RD0349_01_f_2017_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>0.89</b>	Rating **	C	Issue No.	<b>38</b>
LM End	<b>0.89</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.314548 °	38.314548 °	
			-121.579098 °	-121.579098 °	
DWR ID	DWR_RD0349_01_f_2018_38				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/10/2020 04/10/2020	David Julian

LM Start	1.00	Rating **	M	Issue No.	15
LM End	1.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.312911 °	38.312131 °
				-121.578528 °	-121.578292 °
DWR ID	LMA-145				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
<p>This was a 2017 Storm Damage site.</p> <p>Approximately 296 linear-feet of eroded area. Erosion commences at approximately 3/4 of the way down the slope from the crown and extends into the rip rap. Some rip rap has been pulled off in this section.</p> <p>Site ID No:318</p> <p>Site Designation:LMA-145</p> <p>4/10/2020 Field Notes:</p> <p>Vegetation too thick to view from the crown. Boat survey will provide better view.</p>					

Photo 1 of 1 : SP\_2020\_RD0349\_204\_15\_20200304\_00004.jpg



Waterside erosion at LM 1.02.

LM Start	1.14	Rating **	M	Issue No.	24	
LM End	1.14	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.310992 °		38.310992 °
				-121.578050 °		-121.578050 °
DWR ID	DWR_RD0349_01_s_2018_24					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/10/2020 04/10/2020	David Julian

LM Start	<b>1.15</b>	Rating **	C	Issue No.	<b>25</b>
LM End	<b>1.20</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.310785 °	38.310123 °	
			-121.577963 °	-121.577590 °	
DWR ID	DWR_RD0349_01_f_2019_25				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>1.40</b>	Rating **	C	Issue No.	<b>36</b>
LM End	<b>1.40</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.307553 °	38.307553 °	
			-121.575848 °	-121.575848 °	
DWR ID	DWR_RD0349_01_f_2018_36				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	<b>1.45</b>	Rating **	U	Issue No.	<b>16</b>
LM End	<b>1.45</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.306995 °	38.306995 °	
			-121.575432 °	-121.575432 °	
DWR ID	DWR_RD0349_01_s_2019_16				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD0349\_204\_16\_20200304\_00005.jpg



View of thick trees on the waterside slope (Spring 2019).

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/10/2020 04/10/2020	David Julian

LM Start	1.54	Rating **	U	Issue No.	34
LM End	1.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.305772 °	38.305252 °
				-121.574763 °	-121.574791 °
DWR ID	DWR_RD0349_01_s_2020_34				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo completely blocks visibility and access to waterside of levee.					

Photo 1 of 1 : SP\_2020\_RD0349\_204\_34\_20200304\_00013.jpg



View of arundo on the waterside of levee

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/10/2020 04/10/2020	David Julian

LM Start	0.04	Rating **	M	Issue No.	22
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304877 °	38.263613 °
				-121.575395 °	-121.588590 °
DWR ID	DWR_RD0349_02_s_2020_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Also control wild growth in various locations along this stretch.					

Photo 1 of 1 : SP\_2020\_RD0349\_205\_22\_20200410\_00115.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2020).

LM Start	0.04	Rating **	M	Issue No.	36
LM End	3.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304864 °	38.262889 °
				-121.575399 °	-121.589275 °
DWR ID	DWR_RD0349_02_s_2020_36				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD0349\_205\_36\_20200410\_00114.jpg



View looking downstream at annual vegetation on the waterside slope (Spring 2020).

LM Start	0.25	Rating **	C	Issue No.	75
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.303317 °	38.303317 °
				-121.578673 °	-121.578673 °
DWR ID	DWR_RD0349_02_f_2018_75				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove downed tree from the landside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

# Reclamation District No. 0349 Sutter Island

No Photos

No Photos

View of thick willows on the landside slope (Spring 2020).

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**Flood Control Project Maintenance  
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### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/10/2020 04/10/2020	David Julian

LM Start	0.60	Rating **	M	Issue No.	28
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.298897 °	38.297384 °
				-121.581571 °	-121.582176 °
DWR ID	DWR_RD0349_02_f_2018_28				
Comment Code					
Inspector Comment					
2017 Site ID: STM 25.5 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2010 - Small maintenance, erosion into the toe. 2011 - Minor new erosion at toe. 2015 - Minor new erosion at toe, new tree pop-out. 2016 - Fresh scarp at downstream end.					

Photo 1 of 1 : SP\_2020\_RD0349\_205\_28\_20200304\_00011.jpg



USACE 2013 Photo #1

LM Start	0.64	Rating **	C	Issue No.	54
LM End	0.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.298460 °	38.297588 °
				-121.582115 °	-121.582402 °
DWR ID	DWR_RD0349_02_s_2019_54				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

# Reclamation District No. 0349 Sutter Island

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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/10/2020 04/10/2020	David Julian

LM Start	1.33	Rating **	A/W	Issue No.	27
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.288727 °	38.286475 °
				-121.583823 °	-121.585026 °
DWR ID	DWR_RD0349_02_f_2018_27				
Comment Code					
Inspector Comment					
2017 Site ID: STM 24.7 R					
Status: Critical					
2017 Field Notes: No observed change.					
Site History: 1997 - Erosion of very sandy levee behind large stand of riparian vegetation on top right bank. Dry ravel of sand. 1999 - Quarry waste rock was dumped down the levee slope; poor repair job; still eroding in places. Eroding at midslope off fabric. 2005 - Length revised, only the middle 150 - 200 ft are eroding. 2006 - Some rock/small material dumped down the bank but it is slowly unraveling. Upstream end is unraveling faster. Steep slope with poor gradation so fines are washing out. 2010 - Lots of overhanging trees and erosion pockets. 2011 - This site is upgraded to CRITICAL. Near vertical bank at the downstream end. New erosion at various locations throughout the site.					

Photo 1 of 1 : SP\_2020\_RD0349\_205\_27\_20200304\_00010.jpg



USACE 2013 Photo #1

LM Start	1.46	Rating **	M	Issue No.	34
LM End	1.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.286886 °	38.286861 °
				-121.584589 °	-121.584622 °
DWR ID	LMA-149				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This was a 2017 Storm Damage site. Approximately 12 linear feet of erosion/sloughing. The erosion area commences approximately halfway down the slope from the levee crown and extends to the waterside toe around existing trees. No rip rap is visible in this area. Site ID No:322 Site Designation:LMA-149 4/10/2020 Field Notes: Vegetation too thick to view from the crown. Boat survey will provide better view.					

Photo 1 of 1 : SP\_2020\_RD0349\_205\_34\_20200304\_00016.jpg



\* Location  
 LS : Land Side N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable N : Not Inspected/Rated  
 M : Minimally Acceptable C : Corrected  
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



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**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/10/2020 04/10/2020	David Julian

LM Start	1.48	Rating **	M	Issue No.	37
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.286708 °	38.286569 °
				-121.584839 °	-121.585042 °
DWR ID	LMA-150				

**Comment Code**

E2 : Schedule repair of erosion site prior to the next inspection.

**Inspector Comment**

This was a 2017 Storm Damage site.  
Approximately 77 linear feet of erosion and scour. The erosion area commences approximately halfway down the slope from the levee crown and extends to the waterside toe around existing trees. No rip rap is visible in this area.  
Site ID No:323  
Site Designation:LMA-150  
4/10/2020 Field Notes:  
Vegetation too thick to view from the crown. Boat survey will provide better view.

LM Start	<b>1.48</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>1.49</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP\_2020\_RD0349\_205\_37\_20200304\_00019.jpg



Photo 2 of 2 : SP\_2020\_RD0349\_205\_37\_20200304\_00020.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/10/2020 04/10/2020	David Julian

LM Start	1.67	Rating **	M	Issue No.	111
LM End	1.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.285060 °	38.285060 °
				-121.587772 °	-121.587772 °
DWR ID	DWR_RD0349_02_f_2019_111				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.73	Rating **	M	Issue No.	51
LM End	1.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.284410 °	38.284410 °
				-121.588552 °	-121.588552 °
DWR ID	DWR_RD0349_02_f_2019_51				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.04	Rating **	M	Issue No.	26
LM End	2.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.280069 °	38.279919 °
				-121.589443 °	-121.589438 °
DWR ID	DWR_RD0349_02_f_2018_26				
Comment Code					
Inspector Comment					
2017 Site ID: STM 24.1 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2011 - Small scallop caused by erosion and wave wash.					

Photo 1 of 1 : SP\_2020\_RD0349\_205\_26\_20200304\_00009.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/10/2020 04/10/2020	David Julian

LM Start	2.11	Rating **	A/W	Issue No.	25
LM End	2.14	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.279017 °	38.278597 °
				-121.589615 °	-121.589854 °
DWR ID	DWR_RD0349_02_f_2018_25				
Comment Code					
Inspector Comment					
2017 Site ID: STM 23.9 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 1997 - Top right bank has retreated into the levee. Site is between two rock sites. 1999 - Downstream half of the reach repaired with rock. 2000 - Trees leaning into the water. 2010 - Site appears worse. 2011 - New erosion at the toe. 2013 - Short vertical sections observed at upstream end. 2015 - Minor new erosion.					

Photo 1 of 1 : SP\_2020\_RD0349\_205\_25\_20200304\_00008.jpg



USACE 2013 Photo #1

LM Start	2.37	Rating **	U	Issue No.	60
LM End	2.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275713 °	38.275435 °
				-121.591369 °	-121.591177 °
DWR ID	DWR_RD0349_02_f_2017_60				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove Arundo.					

Photo 1 of 1 : SP\_2020\_RD0349\_205\_60\_20200304\_00038.jpg



View looking upstream at arundo on the landside slope (Fall 2019).

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/10/2020 04/10/2020	David Julian

LM Start	2.43	Rating **	M	Issue No.	42
LM End	2.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.275131 °	38.275036 °
				-121.590594 °	-121.590461 °
DWR ID	DWR_RD0349_02_s_2020_42				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This was a 2017 Storm Damage site. Approximately 51 linear feet of erosion. The erosion area commences approximately 3/4 of the way down the slope from the levee crown and extends to the waterside toe around existing trees. No rip rap is visible in this area. Site ID No:325 Site Designation:LMA-152 4/10/2020 Field Notes: Vegetation too thick to view from the crown. Boat survey will provide better view.					

Photo 1 of 1 : SP\_2020\_RD0349\_205\_42\_20200304\_00027.jpg



LM Start	2.56	Rating **	A/W	Issue No.	24
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.273854 °	38.271998 °
				-121.588745 °	-121.589424 °
DWR ID	DWR_RD0349_02_f_2018_24				
Comment Code					
Inspector Comment					
2017 Site ID: STM 23.6 R					
Status: Eroding					
2017 Field Notes: Previously observed quarry stone at the downstream end is now gone. Significant erosion at upstream end. Fresh sedimentation on the downstream end.					
Site History: 2011 - Toe scour at the tidal zone. 2015 - New tree pop-out and minor new erosion. 2016 - New erosion at upstream end.					

Photo 1 of 2 : SP\_2020\_RD0349\_205\_24\_20200304\_00006.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/10/2020 04/10/2020	David Julian

LM Start	2.56	Rating **	A/W	Issue No.	24 (cont)
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.273854 °	38.271998 °
				-121.588745 °	-121.589424 °
DWR ID	DWR_RD0349_02_f_2018_24				

Photo 2 of 2 : SP\_2020\_RD0349\_205\_24\_20200304\_00007.jpg



USACE 2013 Photo #2

LM Start	2.78	Rating **	C	Issue No.	95
LM End	2.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.270795 °	38.270795 °
				-121.589948 °	-121.589948 °
DWR ID	DWR_RD0349_02_s_2019_95				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.89	Rating **	U	Issue No.	96
LM End	2.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.269162 °	38.269162 °
				-121.589670 °	-121.589670 °
DWR ID	DWR_RD0349_02_s_2019_96				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/10/2020 04/10/2020	David Julian

LM Start	3.06	Rating **	C	Issue No.	99
LM End	3.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.266925 °	38.266925 °
				-121.588427 °	-121.588427 °
DWR ID	DWR_RD0349_02_s_2019_99				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	3.16	Rating **	U	Issue No.	101
LM End	3.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.265557 °	38.265143 °
				-121.588377 °	-121.588403 °
DWR ID	DWR_RD0349_02_s_2019_101				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD0349\_205\_101\_20200304\_00056.jpg



View looking downstream at thick blackberries at the bottom of the landside slope (Fall 2019).

LM Start	3.29	Rating **	U	Issue No.	62
LM End	3.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.263594 °	38.262449 °
				-121.588629 °	-121.593726 °
DWR ID	DWR_RD0349_02_f_2018_62				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove thick berry vines that completely block inspection and access to toe. Also control annual vegetation.					

Photo 1 of 1 : SP\_2020\_RD0349\_205\_62\_20200304\_00040.jpg



View looking downstream at thick blackberries on the bottom of the landside slope (Fall 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

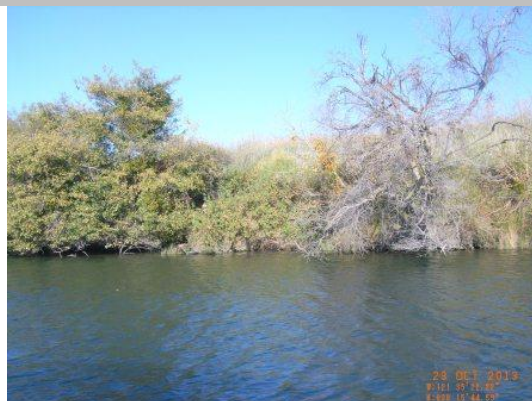
## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/10/2020 04/10/2020	David Julian

LM Start	3.38	Rating **	M	Issue No.	23
LM End	3.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.262510 °	38.262533 °
				-121.589481 °	-121.591690 °
DWR ID	DWR_RD0349_02_f_2018_23				
Comment Code					
Inspector Comment					
2017 Site ID: STM 22.8 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2010 - Slumping sections on the lower bank, appears to be scouring around the trees. 2011 - Soil beach at toe.					

Photo 1 of 1 : SP\_2020\_RD0349\_205\_23\_20200304\_00005.jpg



USACE 2013 Photo #1

LM Start	3.64	Rating **	C	Issue No.	104
LM End	3.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262068 °	38.261835 °
				-121.594283 °	-121.594553 °
DWR ID	DWR_RD0349_02_s_2019_104				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild growth is blocking the view down the waterside slope.					

No Photos

LM Start	3.66	Rating **	M	Issue No.	65
LM End	3.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.261933 °	38.261933 °
				-121.594549 °	-121.594549 °
DWR ID	DWR_RD0349_02_f_2017_65				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim/thin fig trees and evergreen shrubs to allow visibility and access to levee slope.					

Photo 1 of 1 : SP\_2020\_RD0349\_205\_65\_20200304\_00043.jpg



View of fig trees and evergreen shrubs on the landside levee slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/10/2020 04/10/2020	David Julian

LM Start	3.68	Rating **	M	Issue No.	46
LM End	4.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.261721 °	38.254719 °
				-121.594727 °	-121.599703 °
DWR ID	DWR_RD0349_02_s_2020_46				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.71	Rating **	U	Issue No.	64
LM End	3.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.261252 °	38.261143 °
				-121.595012 °	-121.595071 °
DWR ID	DWR_RD0349_02_s_2018_64				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove cactus (century plants) from the waterside shoulder.					

Photo 1 of 1 : SP\_2020\_RD0349\_205\_64\_20200304\_00042.jpg



View of cactus on the waterside shoulder (Spring 2019).

LM Start	3.81	Rating **	A/W	Issue No.	85
LM End	3.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.259882 °	38.257252 °
				-121.595245 °	-121.595403 °
DWR ID	DWR_RD0349_02_f_2019_85				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Exterminate the rodents from the levee section.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/10/2020 04/10/2020	David Julian

LM Start	3.93	Rating **	C	Issue No.	31
LM End	4.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.258165 °	38.254680 °
				-121.595143 °	-121.599793 °
DWR ID	DWR_RD0349_02_f_2018_31				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove black berries and control vegetation all the way down to the landside toe.					

No Photos

LM Start	3.99	Rating **	M	Issue No.	48
LM End	4.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257342 °	38.254719 °
				-121.595366 °	-121.599703 °
DWR ID	DWR_RD0349_02_s_2020_48				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.09	Rating **	M	Issue No.	35
LM End	4.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.256065 °	38.256065 °
				-121.596305 °	-121.596305 °
DWR ID	DWR_RD0349_02_f_2018_35				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
A foot path is beginning to dig into the waterside slope.					

Photo 1 of 1 : SP\_2020\_RD0349\_205\_35\_20200304\_00018.jpg



View of footpath going down the waterside slope (November 2018).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/10/2020 04/10/2020	David Julian

LM Start	4.26	Rating **	U	Issue No.	30
LM End	4.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254870 °	38.254882 °
				-121.599008 °	-121.600150 °
DWR ID	DWR_RD0349_02_f_2018_30				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD0349\_205\_30\_20200304\_00012.jpg



View of arundo on the waterside slope (November 2018).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0349 Sutter Island

No Photos

No Photos

Photo 1 of 1 : SP\_2020\_RD0349\_206\_8\_20200304\_00001.jpg



View looking upstream at fig tree on the landside slope (Fall 2019).

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable              C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable              A/W : Acceptable but Monitor & Maintain	En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/10/2020 04/10/2020	David Julian

LM Start	0.80	Rating **	M	Issue No.	67
LM End	0.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.266201 °	38.266201 °
				-121.601832 °	-121.601832 °
DWR ID	DWR_RD0349_03_s_2018_67				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Trees and limbs on landside shoulder and slope need to be cleared out to allow inspection and access.					

Photo 1 of 1 : SP\_2020\_RD0349\_206\_67\_20200304\_00022.jpg



View of down tree on the land side shoulder (November 2018).

LM Start	1.11	Rating **	U	Issue No.	51
LM End	1.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.270452 °	38.270677 °
				-121.603587 °	-121.603572 °
DWR ID	DWR_RD0349_03_f_2017_51				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD0349\_206\_51\_20200304\_00015.jpg



View looking upstream at untrimmed trees on the landside slope (Fall 2019).

LM Start	1.13	Rating **	M	Issue No.	33
LM End	4.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.270752 °	38.318765 °
				-121.603558 °	-121.589590 °
DWR ID	DWR_RD0349_03_s_2020_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/10/2020 04/10/2020	David Julian

LM Start	<b>1.28</b>	Rating **	M	Issue No.	<b>53</b>
LM End	<b>4.02</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.272793 °	38.308365 °
				-121.602889 °	-121.597300 °
DWR ID	DWR_RD0349_03_s_2020_53				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>1.49</b>	Rating **	C	Issue No.	<b>70</b>
LM End	<b>1.49</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275496 °	38.275496 °
				-121.601272 °	-121.601272 °
DWR ID	DWR_RD0349_03_s_2018_70				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>1.54</b>	Rating **	M	Issue No.	<b>48</b>
LM End	<b>1.60</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.276217 °	38.277103 °
				-121.600940 °	-121.600643 °
DWR ID	DWR_RD0349_03_s_2019_48				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove brush and properly maintain vegetation within 20 feet of the waterside shoulder.					

Photo 1 of 1 : SP\_2020\_RD0349\_206\_48\_20200304\_00013.jpg



View looking upstream at thick wild growth within 20 feet of the waterside shoulder (Spring 2019).

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/10/2020 04/10/2020	David Julian

LM Start	1.85	Rating **	C	Issue No.	50
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.280583 °	38.280583 °
				-121.600573 °	-121.600573 °
DWR ID	DWR_RD0349_03_s_2019_50				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.86	Rating **	M	Issue No.	52
LM End	2.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.280787 °	38.285373 °
				-121.600630 °	-121.604736 °
DWR ID	DWR_RD0349_03_s_2019_52				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.23	Rating **	M	Issue No.	36
LM End	2.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.285110 °	38.285110 °
				-121.604543 °	-121.604543 °
DWR ID	DWR_RD0349_03_f_2019_36				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/10/2020 04/10/2020	David Julian

LM Start	2.28	Rating **	M	Issue No.	37
LM End	2.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.285728 °	38.285728 °
				-121.604867 °	-121.604867 °
DWR ID	DWR_RD0349_03_f_2019_37				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	2.57	Rating **	C	Issue No.	55
LM End	2.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.289782 °	38.289782 °
				-121.603298 °	-121.603298 °
DWR ID	DWR_RD0349_03_s_2019_55				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Remove broken limb from landside slope.					

No Photos

LM Start	2.83	Rating **	M	Issue No.	35
LM End	2.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.293403 °	38.295376 °
				-121.604013 °	-121.604726 °
DWR ID	DWR_RD0349_03_s_2018_35				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/10/2020 04/10/2020	David Julian

LM Start	4.19	Rating **	U	Issue No.	102
LM End	4.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.310490 °	38.310490 °
				-121.597265 °	-121.597265 °
DWR ID	DWR_RD0349_03_f_2018_102				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree from the landside slope.					

Photo 1 of 1 : SP\_2020\_RD0349\_206\_102\_20200304\_00032.jpg



View of tree on the landside slope (November 2018).

LM Start	4.20	Rating **	C	Issue No.	78
LM End	4.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.310528 °	38.310528 °
				-121.597180 °	-121.597180 °
DWR ID	DWR_RD0349_03_f_2014_78				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Remove dead trees from levee section.					

No Photos

LM Start	4.52	Rating **	M	Issue No.	77
LM End	4.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.313317 °	38.313317 °
				-121.592608 °	-121.592608 °
DWR ID	DWR_RD0349_03_s_2018_77				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/10/2020 04/10/2020	David Julian

LM Start	4.56	Rating **	A/W	Issue No.	115
LM End	4.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.313836 °	38.315407 °
				-121.592259 °	-121.591433 °
DWR ID	DWR_RD0349_03_f_2018_115				
Comment Code					
Inspector Comment					
2017 Site ID: STR 26.5 L					
Status: Eroding					
2017 Field Notes: There appears soil under geotech fabric that appears to be failing but hard to tell.					
Site History: 2002 - Original rock over geotextile is sliding off and the end is coming unraveled. 2003 - Some minor new erosion on the downstream end. 2004 - Site has gotten worse. Underlined geofabric is exposed. 2005 - Still looks bad with exposed geotextile fabric.					
2006 - Still have some new unraveling and exposed fabric. Site lengthened upstream. 2009 - Minimal new erosion. 2010 - geotextile fabric placed since last year, possible flood fight. 2012 - Exposed geotech style fabric, assume rock on top slid off. 2015 - Erosion pockets covered with plastic.					

Photo 1 of 1 : SP\_2020\_RD0349\_206\_115\_20200304\_00037.jpg



USACE 2013 Photo #1

LM Start	4.65	Rating **	U	Issue No.	60
LM End	5.57	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.314940 °	38.325943 °
				-121.591412 °	-121.584857 °
DWR ID	DWR_RD0349_03_s_2019_60				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD0349\_206\_60\_20200410\_00104.jpg



View looking upstream at vegetation on the crown (Spring 2020).

\* Location  
 LS : Land Side N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable N : Not Inspected/Rated  
 M : Minimally Acceptable C : Corrected  
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/10/2020 04/10/2020	David Julian

LM Start	4.94	Rating **	U	Issue No.	57
LM End	6.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.318765 °	38.329186 °
				-121.589590 °	-121.579472 °
DWR ID	DWR_RD0349_03_s_2020_57				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD0349\_206\_57\_20200410\_00103.jpg



View looking upstream at annual vegetation on the landside slope (Spring 2020).

LM Start	4.94	Rating **	M	Issue No.	54
LM End	6.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.318766 °	38.329187 °
				-121.589594 °	-121.579471 °
DWR ID	DWR_RD0349_03_s_2020_54				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/10/2020 04/10/2020	David Julian

LM Start	5.06	Rating **	M	Issue No.	59
LM End	5.17	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.320500 °	38.322216 °
				-121.589882 °	-121.590101 °
DWR ID	DWR_RD0349_03_f_2018_59				
Comment Code					
Inspector Comment					
2017 Site ID: STR 26.9 R					
Status: Eroding					
2017 Field Notes: new erosion at toe. new erosion pocket at upstream end.					
Site History: 2015 - Large Tree popout and tall vertical sections into the levee slope.					

No Photos

LM Start	5.10	Rating **	C	Issue No.	61	
LM End	5.22	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.321130 °		38.322715 °
				-121.589678 °		-121.589395 °
DWR ID	DWR_RD0349_03_s_2019_61					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Remove fallen tree from the landside slope.						

No Photos

LM Start	5.20	Rating **	U	Issue No.	63
LM End	5.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.322562 °	38.322562 °
				-121.589618 °	-121.589618 °
DWR ID	DWR_RD0349_03_s_2019_63				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/10/2020 04/10/2020	David Julian

LM Start	5.45	Rating **	A/W	Issue No.	82
LM End	5.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.324315 °	38.324315 °
				-121.585777 °	-121.585777 °
DWR ID	DWR_RD0349_03_f_2019_82				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.48	Rating **	U	Issue No.	83
LM End	5.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.324662 °	38.324662 °
				-121.585503 °	-121.585503 °
DWR ID	DWR_RD0349_03_f_2019_83				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.71	Rating **	M	Issue No.	95
LM End	5.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.327828 °	38.327828 °
				-121.584960 °	-121.584960 °
DWR ID	DWR_RD0349_03_f_2018_95				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove down trees from the landside slope.					

Photo 1 of 1 : SP\_2020\_RD0349\_206\_95\_20200304\_00030.jpg



View of down trees on the landside slope (November 2018).

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
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U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/10/2020 04/10/2020	David Julian

LM Start	<b>5.82</b>	Rating **	M	Issue No.	<b>85</b>
LM End	<b>5.82</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.329337 °	38.329337 °
				-121.585093 °	-121.585093 °
DWR ID	DWR_RD0349_03_f_2019_85				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	<b>5.95</b>	Rating **	M	Issue No.	<b>86</b>
LM End	<b>5.95</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.331062 °	38.331062 °
				-121.584233 °	-121.584233 °
DWR ID	DWR_RD0349_03_f_2019_86				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	<b>6.21</b>	Rating **	M	Issue No.	<b>89</b>
LM End	<b>6.21</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.330172 °	38.330172 °
				-121.580382 °	-121.580382 °
DWR ID	DWR_RD0349_03_f_2019_89				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/10/2020 04/10/2020	David Julian

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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